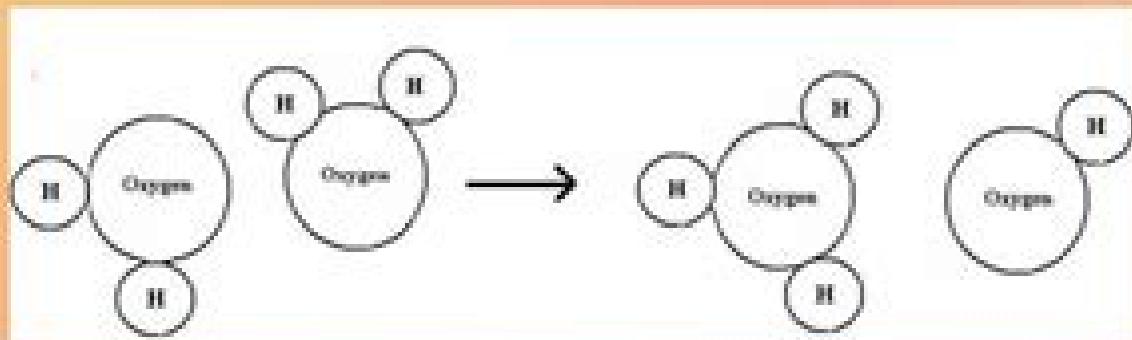


19.2 Hydrogen Ions and Acidity

- The reaction in which water molecules produce ions is called the self-ionization of water
- $\text{H}_2\text{O(l)} \rightleftharpoons \text{H}^+(\text{aq}) + \text{OH}^-(\text{aq})$
- $2\text{H}_2\text{O(l)} \rightleftharpoons \text{H}^3\text{O}^+(\text{aq}) + \text{OH}^-(\text{aq})$



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Jerry J. Zimmerman

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